

## **NEW CONSTRUCTION – NOISE LEVEL REDUCTION**

### **Frequently Asked Questions**

#### **Walls**

**Will a closet installed along the entire length of a bedroom reduce the number of walls and the total area of exterior walls?**

Yes

**Would a foyer connected to a rear room, den great room, etc. be considered the same room?**

Yes

#### **Windows**

**May storm windows be used to reduce the Sound Transmission Class (STC) for windows?**

Yes

**Can decorative, leaded or glass blocks be used?**

Yes, if they meet the STC rating.

**Where should attic access be located?**

Ideally in a laundry room, master bedroom closet or be able to meet the STC rating for ceilings: 45 STC.

#### **Roof/Ceiling**

**How would the sloped section of a typical bonus room meet the STC?**

By installing resilient channels.

**How would a sloped vaulted ceiling meet the STC?**

By dropping a ceiling joist below the rafter so that an attic space is created or by using a roof truss.

#### **Floors**

**What is a noise control louver at the foundation vent?**

It is a four-sided box with the bottom left open ([click on this link](#)).

#### **Vents and Wall Penetrations**

**May HVAC systems be installed in attics or crawl spaces?**

Yes, all insulated hard duct.

**May ridge vents be used?**

Yes, not to exceed required size.

**May fireplaces that require combustion air from a window or door be used?**

No, the combustion air will have to be supplied by a ridged metal duct.

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